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204.

Lectures on the
principles of the
materia medica.

Transcribed
July 1850

from p: 54

55

be prostrated; or

V = both excitab^l & excitement appears to
~~be~~ exhausted, as in the ^{first/last} stage of ^{of malignant fever} ~~the~~ last stage of
Chronic fever, and in ^{some} all other ~~acute~~
diseases, of ~~originally strong action~~, and

~~long~~ ~~chorea~~ There the stimulus must be
so strong as to excite ~~for~~ great pain.

be ~~such~~ ^{common} such as, caustics, & a red-hot
iron - a coal of fire - or boiling water.
and loud & impressive noises.

- There are cases of Atonic madness
in which violent pain protracted
into torture ^{might be} ~~has been~~ used with
advantage, as I shall say hereafter.

But there is a case in which there
is a total destruction of sensib^l & irritab^l.
This ~~occurs~~ ^{disorganization} in consequence of it, & death
in the part affected. This state of animal
matter is called gangrene. The remedies here
should ~~not~~ be ~~such~~ such as act upon

*
 O 3 The Calculus in the Bladder it
 has been said may be dissolved by
 the veg. alkali, and by lime water.
 - Its basis Mr. Shull has discovered
 to be an acid - ~~It~~ and those medicines
 are said to decompose the stone by
 neutralizing it. The vit. Acid
 has lately been employed to dissolve
 the stone. It is said to attract ^{its} ~~the~~
 Calc. part of ~~it~~ ~~thus~~ to detach, the
 animal acid from it, & thus to
 prepare it for expulsion by
 decomposing it. I doubt whether
 any such mixtures, or decom-
 positions take place in the bladder.
 Many facts make it improbable.
 Rhe water best -
 Mercury is said to destroy the

✓ 5 certain substances called Demulcents
destroy acrimony in the bowels, & fauces,
and thus cure Diarrhoea, & mitigate a cough.
They are brandy, ~~almond~~ mallow & comfrey tea - ~~Barley~~
water - liquorice &c -

6 Sulphur & mercury are said
to destroy the flesh by mixing w:
it. -

= The adjoining healthy parts, & by gently
stimulating them dispose them to throw
off the dead parts which are contiguous
to them. The remedies ~~must~~ ^{external} proper here
Dr. Sydenham has lately taught us, are Blisters.
~~promoting suppuration~~, & I have lately

~~used Tobacco~~. The internal remedies for
Gangrene is Bark, but there are cases
of general inflamm. Action, with local
in ch. they are

gangrenous, w: it is improper, & in
p. 56. D.

in U.S. & purging are the proper remedies.
stimulating tonic medicines
~~stimulating~~, may be exhibited on

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Viscus of the ven^d disease by mixing
with it in the body. This is highly
probable, for we know of no exam-
-ating medicine that so speedily, or
certainly cures that disorder. 5^v

XI
~~of~~ of medicines which cure dis-
-orders ~~by~~ removing obstructions.
~~by~~ removing obstructions.

- I said formerly that obstructions ^{I said likewise that}
were the effects of diseases, but they
react by their size, or quality, and
thus reproduce diseases. They are
scattered in all parts of the body, but
chiefly in the viscera & lymphatic

glands. I have called them Disorders.
Debility - Disease - Disorders may all exist at once
in different parts of the body. The Remedies for them are
said to be diobstruents. They are
certain tonic medicines such
as Tonic Bark and Steel where

applied in
4 ways. viz: 1 by the mouth - 2 by ^{external surface} of the
3 by the nose, and 4 this the ~~front~~ ^{external surface} of the
body. The mouth is the usual & best
~~and~~ Channel of conveying med^s into
the body on acc^t of the widely extended
exquisite sensibility of the ~~front~~ mouth
throat & stomach. 2 Opium, Bark &
even Absinthe are often conveyed into the
body by means of injections into the
^{Thyretain irrit^g loc^s - & flatulents}
lower bowels. 3 Spirits - Vinegar - Camph^r
& tobacco (when not habitually used)
operate powerfully on the whole
system by means of the nose, & by ~~the~~
substances as Garlic - Turpentine - Other
Stimulants - Tobacco & ~~the~~
act on the whole body thro the
medium of the ~~nose~~. Dr Ferri's Bases of
Padua has found many substances other-
wise inert act powerfully on the
body in this way by being mixed
with Gastric Juice or Saliva. The

There is an Absence of morbid Action.

The Scrophula is often cured by
those medicines. Mercury is useful

as a disolvent. It ^{directly or indirectly} pervades every

part of the System. Exercise has

in two instances, that come under
my knowledge unresisted Obstinate

Shiisore tumors. The Cold Bath

has often cured Obstinate Obstructions

in the Liver - Spleen & bowels. ~~Certain~~

Arsenic acts powerfully upon Obstruc-

tions of all kinds. Certain exter-

nal applications have been

used to disrup tumors on the

external parts of the body. These

are often so powerful as to disorga-
nize

best places of applying them to be found
out by experiment. The soles of the
feet perhaps to be preferred. go back to
IX. ~~to 53. 5~~

We come now again to our syllabus to the
medicines which remove redundant or foreign
matters from the body, and which offend by their
Quantity & Quality.

These matters are collected in the Stomach, bowels,
Liver, the Urinary bladder, thorax & all other
cavities & in alveolar membranes They are mu-
cus, an acid humor, Bile, fæces, worms, Water,
pus, calcareous matter & fat.

^{The Remedies}
~~They~~ proper to discharge them are 1.
Vomits. 2 purges. 3 Diuretics. 4 emetics,
5 Deobstruents 6. tonics, or 7 depleting Remedies
according to the state of the pulse, & 8 certain
Surgical Operations.

X
Of medicines which cure diseases by mixing
with, & thus destroying matters which offend by
their Quality. The medicines which belong to

the vessels; or so weak as not to
 act upon them. I have lately prescrib-
 ed local bleeding for the purpose
 of dissipating these tumors. In this
 prescription I have endeavoured to
 derive the same Advantage from
 V.S. - that I have often done ~~from~~ ⁱⁿ
 cases of Congestion or Choking of
 the viscera. It does not destroy
 the texture of the vessels, & it draws
 the blood directly from the Arteries.
~~I was led to the use of this remedy~~
~~not only by the above analogy, but~~
~~by having heard that the~~ ^{gentle} ~~but~~
~~abstraction of blood from Cancerous~~
~~tumors by applying toads to~~
~~them had been successful in~~

This class were formerly said to be very numerous,
when diseases were supposed to depend on morbid
humors. They are now very much limited.
The morbid Acid of the Stomach, may be
destroyed by magnesia & other calcareous substances,
viz: Alkalies, milk, & an animal diet. & Acid
& morbid Bile may be obtained by the plentiful use
of vegetables and summer fruits. return to p. 55. ©
✓ Obstructions in the capillary vessels such as
take place in Chronic Rheumatism without fever,
are to be removed by Stimulants such as Ardent
Spirits - Soap Liniment - Sal. Cl: Sweet oil - oil of
Amber - Cayenne pepper mixed with Spirit ~~see~~. &
Bergall & Spirit

General cases in Germany —

Fear has in some instances cured
 suppurative tumors. It must have
 been ~~this~~ the powerful operation of
 this passion ~~that~~ upon the mind,
 that cured the scrophula in those
 few cases which yielded to the
 royal touch: — V

I shall conclude this head by
 remarking that, ^{nearly all} Obstructions ~~of all~~
~~sorts~~ are the effects of acute or
 chronic inflammation, and y:
 where ~~is~~ ^{is} used at the time,
 & in the quantity that are in-
 dicated, they ^{are very rare} ~~seldom~~ ~~occur~~. Every
 patient is seldom troubled

But we know so little of their component parts in the living state of the body, and of the departure they are capable of bearing from their natural composition without inducing Disease, that it is difficult to say when to prescribe for them. Hitherto the improvements in the mat. medica expected from them have disappointed their friends, even the most sanguine of them. I admit the efficacy of such of them as act

upon the lungs as pure oxygen gas - and ~~a~~ reduced atmosphere, and of the one which acts ~~primarily~~ ^{indirectly} upon the stomach & bowels - viz the carbonic acid. Perhaps the last acts upon the kidneys. — From a conviction that all great and salutary changes in the body are to be effected by medicines that act ~~so~~ chiefly upon the solids, I ^{early} withdrew all the attempts that were made to lead the materia medica ^{by} ~~with~~ the application of ~~some~~ the gases that have been named, & of all others to the cure of ~~the~~ other diseases than those that have been named. I considered the Serial pathology as related to the humoral, in being equally hypothetical, and that the materia ^{medica} founded upon it would ~~have~~ have a similar end. ✱ Remedies for pain.

with them.

XII of medicines which are supposed to cure diseases by changing the quality of the fluids, or the texture of the solids. —

Under this head Gent. I ~~can~~ say but little. ~~as yet~~ ~~of the~~ ~~subject~~. The Gases

certainly influence the mode of aggregation of Animal fluids and

Solids. ~~Oxygen in different proportions~~

~~But the subject is new, and I wait~~

~~for more facts to form a~~ ~~theory~~ ~~of the~~ ~~virtues~~ ~~of~~ ~~in~~ ~~medicine~~ ~~upon~~ ~~it~~. ~~Vegetable Aliment~~ ~~un-~~

~~certainly induces a speedy change~~

~~in the consistency of the blood, &~~

~~in the texture of the solids in the~~

✓ Upon this subject it will be necessary to premise
that pain is sometimes a remedy. In this
case it is not an object of medical attention.
It is only when it is the effect of disease
or when it is so acute, as to increase
disease, and threaten death, that we should
attempt to relieve it. ~~one~~ Of its fatal effects there are
~~of this kind~~ many proofs from

Dissection. Morgagni relates several
cases of death from the pain of the
colon in which, no sign of inflam:
congestion, or gangrene appeared
in the bowels. ^{I have ~~advised~~ death} ~~Take notice of this fact~~
In these cases, to morbid excitement beyond
~~I shall apply a more extensive~~
the grade of inflammation.

1. ~~after~~ or muscular. in the blood vessels
2. In cases of great morbid excitement the
first remedy we should use is V.S. — Head
ache and the pains which accompany
~~catarrhs~~ rheumatism — gout & pleurisy often
subside while the blood is flowing.
2 Where the action of the blood vessels is

~~where it is the effect of violent action
 in nervous muscular parts not attended with
 provided it be given in ~~large~~ ^{large}
 much ~~fewer~~ in these cases it must be given in such
 doses as to wear down the morbid
 excitement into ^{dyspepsia} ~~or waste it into~~ debility.~~

~~When pain is eased in this latter
 way, care should be taken that the
 seat of the pain be not in a
 part in which effusion will be
 attended with danger, for a large
 dose of Opium disposes by its
 stimulus to effusion. Hence it is
 given ^{the} safely in Rheumatism or
 external phlegmon; ~~but it is~~ ^{It is}
 given with safety in the Puerperium,
 for in this ^{case} ~~disorder~~, the windpipe
 conveys off the effused fluids,~~

2 The first of all ~~these~~ ^{also} ~~is~~ ^{is} the pain of Colic, Rheuma-
 -tism ^{Gout &} pleurisy, ~~has~~ ^{has} all yield to it in
 some instances ^{even} while the ~~flow~~ ^{blood} is
 flowing from the Veins. 3 Fasting has
 & lessens pain ~~the same effect~~ ^{fast} ~~proceed~~ ^{proceed} Priestley
 informed me that in travelling ^{he heard of a man} ~~this~~ ^{under}
 of a ~~man~~ ^{German} ~~in Germany~~ ^{who} ~~obviated~~
 the pain of torture by fasting 2, or
 3 days. — Persons who die of famine
 suffer little or no pain after 2 or 3
 days — This sufferings previous to
 this, are very great.

but is always dangerous where
 is the effect of inflammⁿ in the
 vessels of the brain. — ~~In this case~~

Cold water cures pain when it
 arises from great morbid action;

— of this there are many thousand
 witnesses in this city. The acute
 & distracting pain in the head in

the yellow fever in 1793 was uni-

versally relieved by cloaths wetted

with cold water & applied to the

forehead. It ^{was} equally useful tho'
 when injected by way of Glyster pains of
 in former cases ~~not~~ in the ~~colic~~

the bowels which accompanied that

fever. — Cold water is further, a

powerful Anodyne in the pain of
 its good effects are increased by a mixture with
 the pills. — It is alike proper

in great arterial-muscular & nervous exi-

ment.

It has been remarked that the ^{gent} application
of warm water upon the body, eases the
pain of the torture, — while ~~dashing~~ ^{dashing} it
~~on the body~~ dashing it with the gentlest
force, and in a small quantity, increases
that pain.

† Upon these ^{three} ~~two~~ last remedies I would
remark that their effects are greatly dispro-
portioned to what we might expect from
them. I explain it thus. The greater the
pain — the less the irritant that increases it,
and the less the sedative that relieves it —
in the case of the gentle oppression of ^{the} ~~the~~
by pressure as

U of ~~also~~ by light bandages around ~~this~~
bellies around the head in head ach.

== 1 warm water mitigating the pain of
torture. The rich man in the gospel
seems to have understood this fact when
he asked for a drop only of cold water
to cool — not his whole body — but a

small part of it — viz. the tongue. It
would certainly have lessened his ~~private~~ pain.

5 ^{the} warm ~~water~~ water is an anodyne
 when applied externally or internally
 by way of Glyster in all cases of
 moderate morbid action. The sedi-
 -mentum has often given imme-
 -diate relief, and even induced sleep

in cases of ^{slight} ~~moderate~~ indisposition.
 It is chiefly ^{chiefly} proper in nervous & muscular
 pains. It should be used in ^{original} pains of such
 & certain derelict ^{excellent} substances,

as poultices of milk & Bread & ^{the}
 Sweet oil, often allay the pain

induced on external parts of the
 body by great morbid action.

Sweet oil has this effect in some in-
 also sheep skin & milk of a cow.

7 Gentle frictions with the hand
 pains.

Often relieve ~~rapid~~ action, & ⁺ ~~to~~

8 By pressure. The Colic, & head Ach are often
 relieved by tight ligatures round the belly
 in the former, & the head in the latter case.

10 ~~Biting & grasping hard substances all~~
~~allowing & crying, mitigate~~
~~pain in the manner formerly~~
~~mentioned.~~

14 ~~Employment. see ^{General} ~~Amendments of~~~~
~~Russosco ~~Com. place book~~ p 133~~

informed me that he alleviated in
a great degree the pains of his
wounds in a prison in Petersburg
by employing himself in the
mechanical business of a Turner.

15 ~~14~~ Dry Cupping by exciting an action
upon the skin, often eases the pains in
the limbs.

16 ~~15~~ As pain is often attended with great thirst, cold
water should be given to allay it. The man who
murdered Gen. Kleber in Egypt, cried out during his ex-
ecution only for "water - water". We often observe it in
painful diseases. Our Saviour drank of the brook in his
way to his cross to allay the thirst bro't on by the
pain & agony of his soul.

9 ~~8~~ Fear chases away pain when accompanied with great morbid action, ⁱⁿ ~~and~~ ^{system} wherever it be seated.

10 ~~8~~ Cheerful society, or the visit of a friend, when the action of is of a moderate nature. — 11. Imitating lan-

~~guage~~ ^{guage}. The Indians bear torture with ^{insensibility} ~~insensibility~~ from the ^{agony} ~~agony~~ excited by ^{torment} ~~torment~~. ~~The~~ ^{insulting} ~~insulting~~ them. ~~Sulphur~~ ^{Sulphur} was often cured

pain when ~~was~~ produced by convulsions. The roll Bristone in the muscles. It must be pressed

between the hands. It cracks in this state of the system, but in no other. ^{Does} ~~Is~~ the Sulphur in this case

conduct off the superfluous quantity of ^{nervous} ~~electric~~ fluid from the part of the body affected with morbid action.

— Is it in this way that it does so much more service in the Gout,

✓ They seem to act only by exciting a round
external action on the surface of the body;

~~Is~~ ~~How~~ is there any virtue ^{we hear}
Animal magnetism? - ~~when the~~

- of pain being cured by it - or even

sleep being induced by it. How does

it act? - I answer to both these questions
- ⁺ The concentration of

the mind upon one subject is a sedative.

- we observe it in grief & counting 100

backwards - both induce sleep. - Pain

is probably ^{further} relieved in the same way

by Dr. Pichius' sharp points ~~by his~~

~~in all magnetism~~ They have no

specific virtue - ^{a comb & sharp pieces} Ivory - ~~all~~

of wood have all the same effect.

Is piles than any other purge?

~~18. The late discoveries in animal Electricity have lately produced attempts to cure ~~the~~ pain by applying sharp pointed metallic substances to the part affected. [I have heard of a case of acute pain in the knee from Rheumatism, being cured by the point of a pen knife being held for some time in contact with it. Dr. Leake of Connecticut has lately ^{used} ~~applied~~ a sharp pointed piece of brass for the same purpose.~~

Does the metal in this case act by conveying off redundant or accumulated electric fluid from the body? Does it do so?

7

(P)

The ^{the} last Article of our Therapeutics

~~containing~~ leads us to consider the means of attaining longevity.

This subject is not foreign to our profession. I hinted at it in my Ussuica. There is in the body, a constant tendency to death. Life is the effect of a successful strife on the side of external and internal stimuli against this tendency of the system to dissolution.

It is ~~the~~ business of a Physician to discover in what manner, in what proportion, all the stimuli of life should be applied, so as to obtain from them the greatest quantity & the longest

✓ [It will teach further to distinguish
between health & strength.]

duration of health & life. The
 whole of the knowledge we have upon
 this subject may be summed up in a
 few words. It consists in ^{"accommodating"} ~~proportioning~~
 stimuli which support life, to ex-
 citement and excitability." This simple
 proposition will lead to take into
 consideration all the variety of ages,
^{predispositions} ~~temperaments~~, occupations, and
 situations of mankind in directing
~~the means~~ ^{a plan} for regulating the means
 of attaining longevity. The same
 means which promote health &
 long life in some ages, ^{predispositions,} ~~temperaments,~~
 occupations, & situations, destroy it
 in others. To enumerate each of

V [By attending to this rule, you
will be relieved from a large mass
of error upon this subject. To
suppose ~~that~~ ^{any one will go for} ~~any~~ ^{one} mode of life will
produce longevity in all habits,
is as absurd as ~~to suppose that~~
any one remedy would cure the
same diseases, under all the circum-
stances ^{of} ~~in~~ many diseases, & the opera-
tion of medicines. ~~It is as absurd as~~
to suppose any one mode of living
would produce longevity in all con-
stitutions.]

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them would be to repeat to you
all the principles and facts which I have
delivered in our pathological lectures.
~~I repeat again~~ The same ^{rules} ~~direction~~ ^{ch} w:
^{are proper}
~~I have~~ ^{are proper} ~~often repeated~~ for prescribing
medicines in diseases, may be app?
for directing the means for attaining
health & longevity, - that is - let ~~all~~
the diet - ^{Dress} - drinks - studies - amusements,
exercise, labors, ~~etc~~ be accommod?
to the state of the system, as varied by
age, ^{disposition} ~~temperament~~, occupation, &
situation. - For a number of facts
upon old age, I refer you to ~~the~~
^{my medical} ~~22 volumes of~~ ^{my medical} ~~experience~~, and
Observation.

65

Here then Gent: we finish our
 Observations upon the ^{Operation of} ~~principles~~
 Medicines, or the principles of the
^{Therapeutics} ~~materia medica~~. I cannot dismiss
 this part of our course without
 lamenting the imperfection of all
^{our} ~~the~~ books ~~which~~ upon the virtues
 & doses of medicine. — They are
 altogether empirical. None of them
 take notice of the different effects of
 medicines in the different states of
 the system in the same, or in dif-
 ferent diseases. Hence the numerous
 contradictions of writers in enumer-
 ating the virtues and doses of the

Even the effects
✓ ~~The virtues~~ of opium are altogether

relative. It is said to ease pain,
^{morbid states of the system}
but there are ~~diseases~~ in which it
increases pain. It is said further
to induce sleep, but there are morbid
states of the system in which opium
induces the most obstinate wakefulness.
^{Similar} observations might be made
~~the same~~ upon every active article of the ma-

-teria medica. — The physician therefore
as described in books ~~or~~
who prescribes for ~~the treatment of~~ a disease,
without a reference to its stage, or to
the state of the system, resembles the

same medicine, each of whom pro-
 bably relates what is strictly true,
 but which appears to be false, from
 the circumstances which vary the
 virtues & doses of medicine not being
 taken into consideration. There are
 few medicines that can be said to be
absolutely good for any disease. They
 are all relatively good - i.e., they
 do good according ^{only} to as they are accom-
 modated to the state of the system, and
 to the stage of the disease. When I hear
 a Physician say that Bleeding & Blisters
 are ^{good} ~~indicated~~ in a fever - that Borax
 is ~~indicated~~ and the cold or warm
 Bath are ~~good~~ good in madness -

Bermudian Sailer who threw Shingles into the
Sea on each ~~two~~ side of his vessel in order
that he might find his way back again
from a voyage to one of the West India
Islands. The winds do not more certainly
produce instability in the Waves of the Ocean,
than an hundred circumstances vary
the state of a disease and the operation of
medicines.

that is good 72
Mercury, in the Symplic trachialis,
Opium in a Dysentery,
and in an inflammation of the Liver,
without specifying the exact stages
of those Diseases, ~~and the signs~~ ^{ch} in w:
they prescribe this medicines, I con-
sider myself as listening to the most
regular bred ~~unqualified~~ ^{unqualified} in medicine.

Such a Physician resembles the
Burmese pilot, who throws shingles
into the sea on
~~over board~~ on each side of his vessel;
that he might find the way back
again by them from a voyage which
he had undertaken to one of the West
Indian Islands. The winds ~~do not~~ ^{do not}
more certainly ~~vary~~ ^{moderate} the stability of
in the waves of the Ocean, than an
hundred as circumstances vary.

~~System from~~

~~If there is ever remember~~ ~~gent~~: that
there is a specific relation between a medicine,
~~Vend & disease~~ ~~V~~ where a due regard had not been
had to the state of the system.

~~There~~ There is a certain Syntax in
medicine as well as in language; and
it is ~~not~~ ^{as} necessary that a Remedy should
agree with the exact force ~~and stage~~ ^{of} symptoms
and stage of a disease, ~~th~~ in order to
cure it, as that an adjective should
agree with its substantive in gender -
remember if case in order to constitute
good grammar in the Latin Language.
turnover to

the state of a Disease, & the operation
of medicines.

As well gent: might you put
all the letters of the alphabet into a box,
and after shaking them together for
a while, expect they would come out
arranged in the order of an ^{Epic} elegant
poem, so expect that medicines
by being jumbled ^{in the body} and shaken together
with diseases for two or three days,
or weeks should cure those diseases,

~~Lawyer - gent: - angry - gent: with the
names of diseases. — They
are like titles in Government. They lie
beneath and enslave the mind. The
Condition of the System - the Condition
I repeat it again
of the System - the Condition of the~~

V We live in a revolutionary age in
Science, ~~as well as in Government. These~~
~~is scarcely opinions a thousand opinions~~
~~upon all subjects~~
which were believed 30 years ago have
been refuted within the last seven years.
Nor would a
~~the least~~ Printer ~~would not~~
be more against the common sense
of the public who would advertise
the Almanacs of 1769 for sale, than
a Physician ~~was~~ ~~was~~ against reason
& experience who teaches the principles
& practice of medicine which
prevailed thirty years ago.

— Here we finish our lectures on Therapeutics,
or rather a nomenclature
as I have only aimed to give you a short detail
of the ~~best~~ Remedies proper in diseases, & of the
manner of using them. ~~These~~ These lectures
have consisted chiefly of facts. ~~But~~ I have not
however hesitated to deliver you ~~some~~ ^{such} principles,

^{alone}
 System should govern all your former
 prescriptions. —

✓ I have I completed our lectures
 upon the Institutes of medicine. I
 have kept back none of my principles
 from you. — I hope by you would
 examine them with severity. They
 have been the result of twenty & thirty
 years familiarity with diseases, and
 of upwards of twenty ^{many} years painful
 and laborious inquiries. — I ~~hold them~~
 have ~~many~~ ^{two} reasons for believing
 them to be true. They have conducted
 me to a new & successful mode of
 treating several diseases which were
 formerly ^{but seldom cured}. None of my
 new modes of practice have been

~~part of which are new. I beg Gent: you~~
~~w^d. examine them with care, & either extend,~~
~~establish, or refute them according as you~~
~~find them agreeable ^{or contrary} to reason & truth.~~

V The numerous testimonies of
this influence in conducting to success
practice, which I have received from
^{former} my pupils in different parts of the
United States, and from ^{other} practitioners
of in more distant parts of the
world, ^{to hope} satisfy me, that I have not
laboured in vain. ~~and that they are~~
~~now placed beyond the efforts of~~
~~any one to~~ They have been contradicted,
~~and they are not yet refuted.~~

the Doctrines ~~principles~~
as have arisen from ~~our previous~~
delivered in our
~~lectures upon~~ Physiology & Pathology.

They will all be applied more ex-
-tensively in the lectures upon the
practice of physic.

This part of our course
I shall conclude by remarking
that I have suggested no new Remedies to
you, I ~~have only~~ Dean Swift defines still
in writing to consist ⁱⁿ proper words in
their proper places. ^{Truth} ~~Correct and rati-~~
-onal practice in medicine ^{consists} in something
analogous to fine writing. viz: in administering
proper medicines in their
times and forms and doses,
proper ~~times~~ ~~medicines~~ as indicated by the
state of the system. I do not think Gent:
we require any new Remedies. By ~~that~~ a
^{perfect} ~~full~~ knowledge of those we possess, and

inasmuch as they ^{prescribe} ~~give~~ them indis-
-criminate without any regard to all
the circumstances of place - of season
climate & which should regulate them.

by administering them in the manner ^{hence}
mentioned, I believe we may cure all the
diseases ~~but~~ ^{knowledge and} that now elude the over-
skill. Bonaparte has not discovered a sin-
-gle new instrument of death, but by a
new application of ~~the~~ ^{old old, and common} ~~military weapons~~ ^{the bayonet}
~~and artillery~~ he has vanquished the most
powerful Armies, and nearly subjugated all
the nations of Europe. — The ^{physicians who} ~~discoverers of~~
new medicines, or ~~the~~ ^{physicians} who introduce
them into practice for particular diseases de-
-serve in many instances ^{more honour than life} ~~the~~ ^{praise} ~~praise~~
~~these~~ ~~honours~~ ~~from the world~~, ~~they are~~ ^{Those alone}
^{physicians alone} are entitled to the gratitude of mankind who
discover &
discriminate exactly the times — the forms
and the doses in which ~~those~~ ^{those} medi-
-cines are to be given, or in ~~other~~ ^{other} words

Who administers them only under
the Direction of ~~fixed~~ principles. ~~in~~
~~Give us a physician~~ Such a physician
resembles a traveller advancing from stage
to stage thro' a highly cultivated & beautiful
country, ~~well accommodated~~ ^{welcomed} at every
inn at which he stops, ~~with the prospect~~
and animated with the prospect of
being received at the end of his journey
by a numerous & happy family; while
the physician who prescribes the same
medicines without any regard to principles,
resembles a blindfolded horse in a mill,
constantly ^{in rotation} ~~repeating~~ ^{repeating} but never straining
a single step from the ~~travelling~~ ^{beaten} path of
the circle in which he moves. Perish!

^{names}
the ~~names~~ of those Physicians! Perish
those books, and perish those Universities!
that thus degrade the ^{sublime & noble} Science of medicine.

